

Title (en)  
SELF CLOSING CONNECTOR

Title (de)  
SELBSTSCHLIESSENDER VERBINDER

Title (fr)  
RACCORD À FERMETURE AUTOMATIQUE

Publication  
**EP 2838602 A1 20150225 (EN)**

Application  
**EP 13777861 A 20130417**

Priority  
• US 201261625663 P 20120417  
• US 201261635258 P 20120418  
• US 201361784764 P 20130314  
• US 2013036962 W 20130417

Abstract (en)  
[origin: US2013270820A1] An aseptic fluid connector having a male connector and a female connector engageable to aseptically transfer fluid therethrough. The male connector includes a closure and a piercing member comprising a hollow shaft for receiving fluid therein, a tip, and at least one port in fluid communication with the interior of the hollow shaft for passage of the fluid therethrough. The closure and/or the shaft is movable between (i) a first position wherein the closure closes the port(s), and (ii) a second position opening the port(s). The female connector includes a pierceable septum. The male and female connector are engageable such that the piercing member pierces the pierceable septum. Only when the pierceable member has fully penetrated the pierceable septum can the closure and/or the shaft move from the first position, to the second position to aseptically transfer fluid therethrough.

IPC 8 full level  
**A61M 5/162** (2006.01); **A61M 39/04** (2006.01); **A61M 39/26** (2006.01)

CPC (source: EP US)  
**A61M 5/162** (2013.01 - EP US); **A61M 39/10** (2013.01 - EP US); **F16L 37/24** (2013.01 - US); **F16L 37/248** (2013.01 - EP US); **F16L 37/30** (2013.01 - EP US); **A61M 5/1626** (2013.01 - EP US); **A61M 39/1011** (2013.01 - EP US); **A61M 39/18** (2013.01 - EP US); **A61M 2039/0036** (2013.01 - EP US); **A61M 2039/0081** (2013.01 - EP US); **A61M 2039/1072** (2013.01 - EP US); **A61M 2039/267** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2013270820 A1 20131017**; **US 9951899 B2 20180424**; CN 104507529 A 20150408; CN 104507529 B 20171117; EP 2838602 A1 20150225; EP 2838602 A4 20160420; IN 9043DEN2014 A 20150522; JP 2015519103 A 20150709; KR 101775386 B1 20170906; KR 20150005976 A 20150115; US 2019032831 A1 20190131; WO 2013158756 A1 20131024

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**US 201313864919 A 20130417**; CN 201380020625 A 20130417; EP 13777861 A 20130417; IN 9043DEN2014 A 20141029; JP 2015507148 A 20130417; KR 20147032219 A 20130417; US 2013036962 W 20130417; US 201815961613 A 20180424